

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application. An identifier indicating the status of each claim is provided.

Listing of Claims

1. (Currently Amended) An optical disc recording apparatus to record unit data generated by division based on a specified reproduction unit according to a specified format on an optical disc, wherein the format is a DVD-video format, comprising:

unit data group formation means for forming VTSTT_VOBS as a unit data group comprising at least one piece of unit data,

wherein the unit data is a chapter (CHP);

thumbnail image generation means for generating a CHP thumbnail image for the unit data;

link information generation means for generating unit data link information included in VTSM_PGCI to link with each unit data forming the unit data group VTSTT_VOBS;

data group generation means for generating VTG as a data group comprising a unit data group VTSTT_VOBS formed by the unit data group formation means and unit data link information generated by the link information generation means; and

closed session processing means for performing a closed session process so that other reproducing apparatuses can read an optical disc recording at least one data group,

wherein the closed session processing means generates a menu image including the CHP thumbnail image ~~based on the unit data~~ in the cell of VMGM_VOBS, which corresponds to a direct menu screen page capable of directly selecting CHP, generates menu

image link information for linking with the menu image, and records the menu image and the menu image link information on the optical disc.

2. (Cancelled)

3. (Original) The optical disc recording apparatus according to claim 1,
wherein the closed session processing means generates a menu image including at least one thumbnail image.

4. (Original) The optical disc recording apparatus according to claim 1
comprising storage means for storing a thumbnail image generated by the thumbnail image generation means,
wherein the closed session processing means, when generating a menu image, uses a thumbnail image stored in the storage means.

5. (Original) The optical disc recording apparatus according to claim 4, wherein the storage means is flash memory.

6. (Original) The optical disc recording apparatus according to claim 1, the closed session processing means performs a closed session process so that other reproducing apparatuses can read an optical disc such as DVD-R or DVD-RW recording at least one data group.

7. (Currently Amended) An optical disc recording method to record unit data generated by division based on a specified reproduction unit according to a specified format on an optical disc, wherein the format is a DVD-video format, comprising the steps of:

forming VTSTT_VOBS as a unit data group comprising at least one piece of the unit data,

wherein the unit data is a chapter (CHP);

generating a CHP thumbnail image for unit data each time the unit data is recorded on the optical disc;

generating unit data link information included in VTSM_PGCI to link with each unit data forming the unit data group VTSTT_VOBS;

generating VTSM as a data group comprising the unit data group VTSTT_VOBS and the unit data link information;

performing a closed session process so that other reproducing apparatuses can read an optical disc recording at least one data group,

wherein the closed session processing step generates a menu image including the CHP thumbnail image based on the unit data in the cell of VMGM_VOBS, which corresponds to a direct menu screen page capable of directly selecting CHP, generates menu image link information for linking with the menu image, and records the menu image and the menu image link information on the optical disc.